

CRF Errors Corrected by the STIC Systems Branch

CRF Processing Date: 4/15/2003  
 Edited by: jt  
 Verified by: jt (STIC staff)

Serial Number: 10/017,67213

**ENTERED**

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☒ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: 17
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_

The above corrections must be communicated to the applicant in the first Office Action. If the applicant does not agree with the corrections, the applicant must be informed of this fact.



OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/017,672B

DATE: 04/15/2003

TIME: 11:43:13

Input Set : A:\PTO.AMC.txt

Output Set : N:\CRF4\04152003\J017672B.raw

3 &lt;110&gt; APPLICANT: Nishikawa, Kiyotaka

4       Lai, Hung-sen

5       Songyang, Zhou

6       Yaffe, Michael B.

7       Cantley, Lewis C.

9 &lt;120&gt; TITLE OF INVENTION: Binding Compounds and Methods for Identifying Binding Compounds

11 &lt;130&gt; FILE REFERENCE: C01123/70001 (JRV)

13 &lt;140&gt; CURRENT APPLICATION NUMBER: US 10/017,672B

14 &lt;141&gt; CURRENT FILING DATE: 2001-12-14

16 &lt;150&gt; PRIOR APPLICATION NUMBER: US 60/285,586

17 &lt;151&gt; PRIOR FILING DATE: 2000-12-14

19 &lt;160&gt; NUMBER OF SEQ ID NOS: 23

21 &lt;170&gt; SOFTWARE: PatentIn version 3.1

23 &lt;210&gt; SEQ ID NO: 1

24 &lt;211&gt; LENGTH: 15

25 &lt;212&gt; TYPE: PRT

26 &lt;213&gt; ORGANISM: Artificial Sequence

28 &lt;220&gt; FEATURE:

29 &lt;223&gt; OTHER INFORMATION: Synthetic Peptide

31 &lt;220&gt; FEATURE:

32 &lt;221&gt; NAME/KEY: MISC\_FEATURE

33 &lt;222&gt; LOCATION: (3)..(6)

34 &lt;223&gt; OTHER INFORMATION: Xaa = any amino acid except Trp, Cys or Tyr

36 &lt;220&gt; FEATURE:

37 &lt;221&gt; NAME/KEY: MISC\_FEATURE

38 &lt;222&gt; LOCATION: 1..11

39 &lt;223&gt; OTHER INFORMATION: Xaa = any amino acid except Trp, Cys or Tyr

40 &lt;220&gt; FEATURE:

W--&gt; 43 Met Ala Xaa Xaa Xaa Xaa Tyr Xaa Xaa Xaa Xaa Ala Lys Lys Lys

41 &lt;210&gt; SEQ ID NO: 1

42 &lt;211&gt; LENGTH: 15

43 &lt;212&gt; TYPE: PRT

44 &lt;213&gt; ORGANISM: Artificial Sequence

45 &lt;220&gt; FEATURE:

46 &lt;223&gt; OTHER INFORMATION: Synthetic Peptide

47 &lt;220&gt; FEATURE:

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/017,672B

DATE: 4-11-2008

TIME: 11:41:15

Input File : A:\PTO.AMC.txt

Output File : N:\CRF4\04152003\J017672B.raw

```

64 <210> OTHER INFORMATION: Xaa = Leu, Ile, Lys or Ala
65 <210> FEATURE:
66 <211> NAME/KEY: MISC_FEATURE
67 <222> LOCATION: (3)..(3)
68 <223> OTHER INFORMATION: Xaa = Ile or Leu
69 <210> FEATURE:
70 <211> NAME/KEY: MISC_FEATURE
71 <222> LOCATION: (4)..(4)
72 <223> OTHER INFORMATION: Xaa = Leu, Ile or Thr
73 <210> FEATURE:
74 <221> NAME/KEY: MISC_FEATURE
75 <222> LOCATION: (6)..(6)
76 <223> OTHER INFORMATION: Xaa = Leu, Ile, Thr or Val
77 <210> FEATURE:
78 <221> NAME/KEY: MISC_FEATURE
79 <222> LOCATION: (7)..(7)
80 <223> OTHER INFORMATION: Xaa = Leu, Thr or Ile
81 <210> FEATURE:
82 <221> NAME/KEY: MISC_FEATURE
83 <222> LOCATION: (8)..(8)
84 <223> OTHER INFORMATION: Xaa = Leu, Thr, Ile or Gln
85 <210> FEATURE:
86 <221> NAME/KEY: MISC_FEATURE
87 <222> LOCATION: (9)..(9)
88 <223> OTHER INFORMATION: Xaa = Leu, Thr, Ile or Gln
89 <400> SEQUENCE: 2

```

W--&gt; 97 Xaa Xaa Xaa Xaa Tyr Xaa Xaa Xaa Xaa

```

98 1 5
100 <210> SEQ ID NO: 3
101 <211> LENGTH: 9
102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Synthetic Peptide
106 <400> SEQUENCE: 3
107 Ala Ala Ala Ala Tyr Ile Ile Ile
108 1 4
109 <211> LENGTH: 4
110 <212> TYPE: PRT
111 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Synthetic Peptide
114 <400> SEQUENCE: 4
115 Ile Leu Ile Leu Tyr Ile Ile Ile
116 1 7
117 <211> LENGTH: 7

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/017,672B

DATE: 4-11-2007

TIME: 11:44:11

Input File : A:\PTO.AMC.txt

Output File : N:\CRF4\04152003\J017672B.raw

```

141 <210> ORGANISM: Artificial Sequence
142 <211> FEATURE:
143 <212> OTHER INFORMATION: Synthetic Peptide
144 <400> SEQUENCE: 5
145 Glu Ile Ala Ile Tyr Ile Ile Ile Ala Lys Lys Lys
146 1 5
147 <210> SEQ ID NO: 4
148 <211> LENGTH: 13
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial Sequence
151 <211> FEATURE:
152 <223> OTHER INFORMATION: Synthetic Peptide
153 <400> SEQUENCE: 6
154 Lys Leu Ile Leu Tyr Leu Leu Leu Leu Ala Lys Lys Lys
155 1 10
156 <210> SEQ ID NO: 5
157 <211> LENGTH: 4
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial Sequence
160 <211> FEATURE:
161 <223> OTHER INFORMATION: Synthetic Peptide
162 <400> SEQUENCE: 7
163 Ala Lys Lys Lys
164 1
165 <210> SEQ ID NO: 6
166 <211> LENGTH: 13
167 <212> TYPE: PRT
168 <213> ORGANISM: Artificial Sequence
169 <211> FEATURE:
170 <223> OTHER INFORMATION: Synthetic Peptide
171 <400> SEQUENCE: 8
172 Glu Leu Ile Leu Tyr Leu Leu Leu Leu Ala Lys Lys Lys
173 1 10
174 <210> SEQ ID NO: 7
175 <211> LENGTH: 9
176 <212> TYPE: PRT
177 <213> ORGANISM: Artificial Sequence
178 <211> FEATURE:
179 <223> OTHER INFORMATION: Synthetic Peptide
180 <400> SEQUENCE: 9
181 Lys Ile Ile Ile Ile Ile Ile Ile Ile
182 1 9
183 <210> SEQ ID NO: 8
184 <211> LENGTH: 9
185 <212> TYPE: PRT
186 <213> ORGANISM: Artificial Sequence
187 <211> FEATURE:
188 <223> OTHER INFORMATION: Synthetic Peptide
189 <400> SEQUENCE: 10
190 Lys Ile Ile Ile Ile Ile Ile Ile Ile
191 1 10
192 <210> SEQ ID NO: 9
193 <211> LENGTH: 9
194 <212> TYPE: PRT
195 <213> ORGANISM: Artificial Sequence
196 <211> FEATURE:

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/017,672B

DATE: 4/11/2005

TIME: 11:44:15

Input File : A:\PTO.AMC.txt

Output File : N:\CRF4\04152003\J017672B.raw

```

101 Leu Ile Leu Tyr Leu Leu Leu Leu
102 1 5 10 15
103 <210> SEQ ID NO: 11
104 <211> LENGTH: 16
105 <212> TYPE: PRT
106 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Synthetic Peptide
109 <400> SEQUENCE: 11
122 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
123 1 5 10 15
124 <210> SEQ ID NO: 12
125 <211> LENGTH: 25
126 <212> TYPE: PRT
127 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Synthetic Peptide
130 <400> SEQUENCE: 12
136 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
137 1 5 10 15
138 Lys Leu Ile Leu Phe Leu Leu Leu Leu
139 1 20 25
140 <210> SEQ ID NO: 13
141 <211> LENGTH: 21
142 <212> TYPE: PRT
143 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Synthetic Peptide
146 <220> FEATURE:
147 <221> NAME/KEY: MISC FEATURE
148 <222> LOCATION: (1)..(1)
149 <223> OTHER INFORMATION: Xaa = any amino acid except the non-degenerate
phosphorylatable amino
150 acid selected from the group consisting of Tyr, Ser and Thr
151 <220> FEATURE:
152 <221> NAME/KEY: MISC FEATURE
153 <222> LOCATION: (1)..(1)
154 <223> OTHER INFORMATION: Xaa = any amino acid except the non-degenerate
phosphorylatable amino
155 acid selected from the group consisting of Tyr, Ser and Thr
156 <220> FEATURE:
157 <221> NAME/KEY: MISC FEATURE
158 <222> LOCATION: (1)..(1)
159 <223> OTHER INFORMATION: Xaa is absent or present
160 <220> FEATURE:
161 <221> NAME/KEY: MISC FEATURE
162 <222> LOCATION: (1)..(1)

```



APPENDIX NAME KEY: MINUTE FEATHER

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/017,672BDATE: 04/23/2010  
TIME: 12:43:14Input File : A:\PTO.AMC.txt  
Output File : N:\CRF4\04152003\J017672B.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 3,4,5,6,7,8,9,10,11  
Seq#:1; Xaa Pos. 1,2,3,4,5,6,7,8,9  
Seq#:13; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:14; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21  
Seq#:15; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21  
Seq#:16; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21  
Seq#:17; Xaa Pos. 1,2,3,4,6,7,8,9  
Seq#:18; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21  
Seq#:19; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21  
Seq#:20; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21  
Seq#:21; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21  
Seq#:22; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21  
Seq#:23; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21

## Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:13; Line(s) 359



## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/017,672B

DATE: 14-01-2017

TIME: 11:44:14

Input File : A:\PTO.AMC.txt

Output File : N:\CRF4\04152003\J017672B.raw

L:40 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
M:341 Repeated in SeqNo=1  
L:636 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
M:341 Repeated in SeqNo=14  
L:688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
M:341 Repeated in SeqNo=15  
L:1091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
M:341 Repeated in SeqNo=16  
L:1118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
L:1323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
M:341 Repeated in SeqNo=18  
L:1531 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
M:341 Repeated in SeqNo=19  
L:1739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0  
M:341 Repeated in SeqNo=20  
L:1947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
M:341 Repeated in SeqNo=21  
L:2155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
M:341 Repeated in SeqNo=22  
L:2363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
M:341 Repeated in SeqNo=23